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File: DWPI

Nov 4, 1998

DERWENT-ACC-NO: 1997-385557

DERWENT-WEEK: 199848

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TITLE: Synthetic waveform generation method based on similar cycles sequence - synthesising directly by selecting synthetic starting value and selecting and outputting sequence of further values, with selection of each further value being based jointly on preceding value and on model of actual speech dynamics

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 2. Document ID: JP 09069858 A

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File: DWPI

Mar 11, 1997

DERWENT-ACC-NO: 1997-224025

DERWENT-WEEK: 199720

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TITLE: Signal formation device for binary data - includes filter impulse response waveform that integrates input data of low-pass filter circuit in process arithmetic cycle

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 3. Document ID: US 5400434 A

Entry 3 of 4

File: DWPI

Mar 21, 1995

DERWENT-ACC-NO: 1995-131068

DERWENT-WEEK: 199517

COPYRIGHT 1999 DERWENT INFORMATION LTD

TITLE: Synthetic voice generator producing glottal pulses - creates speech waveforms by measuring sound pressures of human spoken sound at successive sample points

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 4. Document ID: JP 08313389 A

Entry 4 of 4

File: DWPI

Nov 29, 1996

DERWENT-ACC-NO: 1997-068401

DERWENT-WEEK: 199707

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TITLE: Artificial wind production experiment installation for multifloored buildings - sends control command to oscillation drive unit which gets actuated and rotated, in turn introducing synthetic waveform to number of fins to carryout both way oscillation of each fin

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	RWC	Image
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File: DWPI

Jul 27, 1999

DERWENT-ACC-NO: 1999-478000

DERWENT-WEEK: 199940

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TITLE: Parametric synthetic text-to-speech generating method for percussive musical instrument e.g. plucked violin

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWC	Image
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☐ 2. Document ID: JP 11184499 A

Entry 2 of 85

File: DWPI

Jul 9, 1999

DERWENT-ACC-NO: 1999-448502

DERWENT-WEEK: 199938

COPYRIGHT 1999 DERWENT INFORMATION LTD

TITLE: Phase adaptive processing method of noise signal for low bit rate audio encoding - involves searching amount of phase shifts so that error between synthetic waveforms obtained by synthesizing pitch pulse train and adaptive symbol vector becomes small

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWC	Image
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☐ 3. Document ID: JP 11133995 A

Entry 3 of 85

File: DWPI

May 21, 1999

DERWENT-ACC-NO: 1999-361879

DERWENT-WEEK: 199931

COPYRIGHT 1999 DERWENT INFORMATION LTD

TITLE: Acoustic transducer for karaoke apparatus - adjusts frequency of sine wave component extracted from input audio signal and synthesizes each sine wave component to generate synthetic waveform

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWC	Image
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☐ 4. Document ID: JP 05018923 A, JP 2911070 B2

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File: DWPI

Jan 26, 1993

DERWENT-ACC-NO: 1999-349929

DERWENT-WEEK: 199930

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TITLE: Degradation judging device for coating film coated on transformer, switch board - measures current passing through coating film, when inclination of applied voltage waveform output between varying points corresponding to D/A output is linear

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWC	Image
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☐ 5. Document ID: JP 11126080 A

Entry 5 of 85

File: DWPI

May 11, 1999

DERWENT-ACC-NO: 1999-343073

DERWENT-WEEK: 199929

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TITLE: Waveform data processing method for use in musical sound generation apparatus - involves generating synthetic waveform data based on wave number of extracted specific band component

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWC	Image
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☐ 6. Document ID: JP 11116940 A

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File: DWPI

Apr 27, 1999

DERWENT-ACC-NO: 1999-330088

DERWENT-WEEK: 199928

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TITLE: Wet friction material for clutch and brake wet friction connection apparatus - composed of waveform carbon fibres reinforced with organic synthetic fibers

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWC	Image
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☐ 7. Document ID: JP 11072409 A

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File: DWPI

Mar 16, 1999

DERWENT-ACC-NO: 1999-249282

DERWENT-WEEK: 199921

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TITLE: Pipeline leakage detection procedure - involves synthesising waveform from frequency bands, at temporary sound-source position, with higher signal correlation coefficient than that at microphones

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWC	Image
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☐ 8. Document ID: JP 11059172 A

Entry 8 of 85

File: DWPI

Mar 2, 1999

DERWENT-ACC-NO: 1999-224890

DERWENT-WEEK: 199922

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TITLE: Weather strip for window panel in car - has transparent synthetic resin coating at chamfered terminal edge

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWC	Image
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☐ 9. Document ID: JP 11054486 A

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File: DWPI

Feb 26, 1999

DERWENT-ACC-NO: 1999-220689

DERWENT-WEEK: 199919

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TITLE: Plasma processing apparatus for semiconductor device manufacture -
judges termination of plasma treatment based on synthetic waveform having one
of inverted positive and/or negative real number and imaginary number parts

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 10. Document ID: JP 10319995 A

Entry 10 of 85

File: DWPI

Dec 4, 1998

DERWENT-ACC-NO: 1999-086163

DERWENT-WEEK: 199908

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TITLE: Voice encoder in speech synthesiser for digital telephone - includes
synthetic filter that synthesises audio signal based on drive signal, partial
pitch period of input audio signal

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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Entry 11 of 85

File: DWPI

Nov 24, 1998

DERWENT-ACC-NO: 1999-066243

DERWENT-WEEK: 199906

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TITLE: Speech synthesis system - generates synthetic speech signal by superimposi ng several audio elemental waveforms, utilising system control program

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 12. Document ID: JP 10288609 A

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File: DWPI

Oct 27, 1998

DERWENT-ACC-NO: 1999-019190

DERWENT-WEEK: 199902

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TITLE: Ultrasonic internal flaw detection apparatus for axle shaft, welded construction material - has indicator in which synthetic wave form indicating flaw detection result of tested material is displayed

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 13. Document ID: EP 920640 A1, US 5826819 A, WO 9900676 A1, AU 9881707 A

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File: DWPI

Jun 9, 1999

DERWENT-ACC-NO: 1998-593638

DERWENT-WEEK: 199927

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TITLE: Aircraft launched bomb guidance system - has bomb retransmit shifted frequency of radar from plane, with plane receiving reflection of both waveforms from target and analysing and sending course correction to bomb

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 14. Document ID: US 5821725 A

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File: DWPI

Oct 13, 1998

DERWENT-ACC-NO: 1998-567852

DERWENT-WEEK: 199848

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TITLE: Electric current compensation circuit for three-phase DC brushless motor
- is triggered for each phase change so that synthetic current is fed to motor
to generate output torque with reduced ripple

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWMC	Image
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☐ 15. Document ID: JP 10222196 A

Entry 15 of 85

File: DWPI

Aug 21, 1998

DERWENT-ACC-NO: 1998-511167

DERWENT-WEEK: 199844

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TITLE: Waveform gain estimation method for audio encoding - involves
calculating gain of audio signal using envelope data by amplitude calculation
unit, after receiving linear predictive coding variable filtered out from
synthetic filter

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWMC	Image
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☐ 16. Document ID: US 5792209 A

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File: DWPI

Aug 11, 1998

DERWENT-ACC-NO: 1998-455987

DERWENT-WEEK: 199844

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TITLE: Osteoporosis relief device - transmits low intensity, low frequency
sinusoidal electromagnetic wave signal to osteoporotic bone of hips and spine

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWMC	Image
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☐ 17. Document ID: AU 9860443 A, WO 9835339 A2

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File: DWPI

Aug 26, 1998

DERWENT-ACC-NO: 1998-447457

DERWENT-WEEK: 199902

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TITLE: Method of performing computerised prosody modification on quasi-periodic
signal, e.g. human speech - involves extracting waveforms from original signal
and fine shifting them to exact location on synthetic time axis by re-sampling
technique, then windowing, overlapping and summing fine-shifted waveforms
together

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWMC	Image
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☐ 18. Document ID: JP 10146699 A

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File: DWPI

Jun 2, 1998

DERWENT-ACC-NO: 1998-370311

DERWENT-WEEK: 199832

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TITLE: Quality judging apparatus of press stamping - evaluates process quality
of press unit based on synthetic waveforms of variation of press load and
amount of distortions

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWC	Image
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☐ 19. Document ID: JP 10143199 A

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File: DWPI

May 29, 1998

DERWENT-ACC-NO: 1998-367215

DERWENT-WEEK: 199832

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TITLE: Audio encoding method for speech-analysis synthesis system - involves performing quantization of remainder signal and deciding code, if discriminated area of each frame is silent area

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWC	Image
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☐ 20. Document ID: JP 10124065 A

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File: DWPI

May 15, 1998

DERWENT-ACC-NO: 1998-337918

DERWENT-WEEK: 199830

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TITLE: Tone waveform production method for electronic musical instrument - involves repeating differential waveform detection process to obtain synthetic wave and its frequency and amplitude information

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWC	Image
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File: DWPI

Jun 2, 1998

DERWENT-ACC-NO: 1998-332502

DERWENT-WEEK: 199829

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TITLE: Surface inspection method using laser ultrasound for aerospace industry
- source laser transmits ultrasonic sound waves throughout surface which is
also scanned with detector laser and displacement at scanning positions
detected by detector

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 22. Document ID: JP 10080966 A

Entry 22 of 85

File: DWPI

Mar 31, 1998

DERWENT-ACC-NO: 1998-254954

DERWENT-WEEK: 199823

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TITLE: Decorative corrugated paper for paper box - has liner which is pasted to
paper layer side surface of the green sand core material

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 23. Document ID: JP 10014834 A

Entry 23 of 85

File: DWPI

Jan 20, 1998

DERWENT-ACC-NO: 1998-138485

DERWENT-WEEK: 199813

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TITLE: Flexible synthetic resin cleaner hose - has several waveform shaped thin
strip material joined between polymerisation parts and junction parts with
resin cables by resin binding layer simultaneously while extruding

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 24. Document ID: JP 10010200 A

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File: DWPI

Jan 16, 1998

DERWENT-ACC-NO: 1998-134275

DERWENT-WEEK: 199813

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TITLE: Semiconductor test device e.g. for devices with interfaces such as CTT, GTL and full duplex - has setup unit to setup predetermined comparative voltage according to test waveform, based on comparison result

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 25. Document ID: JP 10002184 A

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File: DWPI

Jan 6, 1998

DERWENT-ACC-NO: 1998-115414

DERWENT-WEEK: 199811

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TITLE: Geological investigation method for front portion of tunnel hilt using radar - by obtaining synthetic wave from combined waveforms of several received waves, and using obtained wave to investigate front portion of hilt

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 26. Document ID: JP 09325322 A

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File: DWPI

Dec 16, 1997

DERWENT-ACC-NO: 1998-096848

DERWENT-WEEK: 199809

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TITLE: Liquid crystal apparatus using various liquid crystals e.g. nematic liquid crystal, smectic liquid crystal, polymer dispersed liquid crystal, ferroelectric liquid crystal - has variation unit to vary synthetic voltage and transmittance characteristics of liquid crystal periodically

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 27. Document ID: EP 912975 A1, WO 9800835 A1, SE 9602624 A, NO 9806190 A, SE 509919 C2

Entry 27 of 85

File: DWPI

May 6, 1999

DERWENT-ACC-NO: 1998-087196

DERWENT-WEEK: 199922

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TITLE: Synthesising speech using concatenation and particularly synthesising voiceless consonants - by palindromically copying suitably selected parts of waveform of recorded human speech to form synthesised waveform for unvoiced consonant using concatenation

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 28. Document ID: BE 1010336 A3, EP 813184 A1

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File: DWPI

Jun 2, 1998

DERWENT-ACC-NO: 1998-044093

DERWENT-WEEK: 199827

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TITLE: Audio signal e.g. vocal sound synthesis for synthetic speech production
- using elementary waveforms which are infinite periodic signals, multiplied by
weighting window to keep their length finite and which carry same spectral
envelope as original audio signals

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 29. Document ID: JP 09253755 A

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File: DWPI

Sep 30, 1997

DERWENT-ACC-NO: 1997-531047

DERWENT-WEEK: 199749

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TITLE: Roll shaping method of metallic tie plate for steel deck construction -
involves pushing end of valley horizontal strip of metallic tie plate towards
inclined web strip using flange portation, thereby forming stiffening rib with
curves near bend of web strip

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 30. Document ID: JP 09251476 A

Entry 30 of 85

File: DWPI

Sep 22, 1997

DERWENT-ACC-NO: 1997-523501

DERWENT-WEEK: 199748

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TITLE: Simulation waveform verification system for monitoring operation of
digital circuits - has synthetic process part which synthesis image data and
enhances waveform chosen for simulation such that synthetic display of entire
image and part image is possible on one screen

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 22. Document ID: JP 10080966 A

Entry 22 of 85

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DERWENT-WEEK: 199823

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Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 23. Document ID: JP 10014834 A

Entry 23 of 85

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☐ 24. Document ID: JP 10010200 A

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File: DWPI

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DERWENT-WEEK: 199813

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☐ 25. Document ID: JP 10002184 A

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☐ 27. Document ID: EP 912975 A1, WO 9800835 A1, SE 9602624 A, NO 9806190 A, SE 509919 C2

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Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 28. Document ID: BE 1010336 A3, EP 813184 A1

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DERWENT-WEEK: 199827

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envelope as original audio signals

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☐ 29. Document ID: JP 09253755 A

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DERWENT-WEEK: 199749

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inclined web strip using flange portation, thereby forming stiffening rib with
curves near bend of web strip

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 30. Document ID: JP 09251476 A

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DERWENT-WEEK: 199748

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Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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File: DWPI

Jan 26, 1999

DERWENT-ACC-NO: 1997-217067

DERWENT-WEEK: 199911

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TITLE: Vocal bit message production method for telephone inquiry surface, voice guidance system using PC - involves forming conversion parameter for forming synthetic waveform corresponding to voice recorded through voice channel and storing formed parameter and waveform separately in memories

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 2. Document ID: JP 08280682 A

Entry 2 of 4

File: DWPI

Oct 29, 1996

DERWENT-ACC-NO: 1997-015106

DERWENT-WEEK: 199702

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TITLE: Ultrasonic diagnostic device for medical treatment - has wavefront locus control unit which controls wavefront locus of waveforms of ultrasonic oscillation elements according to area range input by input unit

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 3. Document ID: US 5864812 A, JP 08160991 A, CN 1131785 A

Entry 3 of 4

File: DWPI

Jan 26, 1999

DERWENT-ACC-NO: 1996-346215

DERWENT-WEEK: 199911

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TITLE: Audio creation method for audio synthesiser used in e.g. telephone reference service - by cutting length of wave through audio window which converges wave peak point near to zero point of predetermined part of wave

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 4. Document ID: JP 06099513 A, US 5644832 A, JP 94102368 B2, US 5415440 A

Entry 4 of 4

File: DWPI

Apr 12, 1994

DERWENT-ACC-NO: 1994-156292

DERWENT-WEEK: 199733

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TITLE: Corrugated helical pipe with joint - includes outer surface formed in spiral uneven waveform shape

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Image
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